

Claim

1. Three-pole or four-pole low-voltage power switch using Rogowski coils (1) as current sensors, an electronic overcurrent release and a device for ground-fault detection, the outputs of the Rogowski coils (1) each being taken via an RC low-pass filter (2) to an instrumentation amplifier (3) of the overcurrent release, characterized in that the output signals of all the Rogowski coils (1) are taken via resistors (4, 5) in common to an integration capacitor (6), whose voltage forms the input signal of an additional instrumentation amplifier (7) indicating the summation current in the monitored power network.